

*English-language abstract provided.

Copies of Forms PTO-1449 and PTO-892 from

		0.0504051151	7.05	ATTY, DOCKET N	parent 08/470,27		rial Nos. 08/630, Page 2 o	
Form PTO 144		.S. DEPARTMEN OMMERCE	TOF	ATTY, DOCKET NO		1	11/62-00	
Modified)		ATENT AND TRA FFICE	DEMARK	8733.214.00	····	08/630,984	10/052 777	
				APPLICANT			II3	
LIST OF RE	FEREN	ICES CITED BY	APPLICANT	Willem den BOER e	t al.			
(Use	Severa	al Sheets if Neces	sary)	FILING DATE		GROUP		:
	Date:	January 29, 2001		April 12, 1996		2822	··	•
				U.S. PATENT DOCU	MENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING (IF APPRO	
KT	ВА	5,585,961	12/1996	Noda et al.	349	122-		
1	вв	5,591,676	01/1997	Hughes et al.	438	702		
	вс	5,641,974	06/1997	Den Boer et al	257	59		
	BD	5,675,187	10/1997	Numata et al.	257	758		
	BE	5,721,596	02/1998	Kochi	349	2		
	BF		02/1998	Yamaji et al	349	138		
	BG	5,821,621	10/1998	Jeng	257	759		
put.	вн	6,038,008	03/14/2000	Kim et al.	349	138	08/964,914 -	11/05/1997
			F	DREIGN PATENT DO	CUMENTS	· · · · · · · · · · · · · · · · · ·		
		DOCUMENT NUMBER	DATE		COUNTRY		TRANSL YES	ATION NO
MT	BI	0-536-898 A1	04/1993	EUROPEAN PATE	NT OFFICE (I	n English)		
	BJ	0-589-478 A2	03/1994	EUROPEAN PATE	NT OFFICE (I	in English)		
	вк	0-589-478 A3	03/1994	EUROPEAN PATE	NT OFFICE (In English)		
	BL	0-486-047 A2	05/1992	EUROPEAN PATE	NT OFFICE (In English)		
MT	ВМ	0-486-047 A3	05/1992	EUROPEAN PATE	ENT OFFICE (In English)		
		OTHE	R REFERENCE	S (Including Author, 1	litle, Date, Per	tinent Pages, I	Etc.)	
MT	BN	Stanley Wolf e	Silicon Prod	ressing For The VESL	Era, Vol. 1, Pr	ocess Technol	osy, Lattice Press, S	unset Beac
MI	ВО		oto et al High D ne 8-5, 1992, pp	ensity Multilayer Subs	trate Using Be	nzocyclobuter	ne Dielectric, IMC 199	92 Proceedi
MT	ВР		ER et al., High A	Aperture TFT LCD usi	ng Polymer Int	terlevel Dielect	ric,OIS Optical Imagi	ng Systems
EXAMINER	· .	michael	717	L	DATE CON	SIDERED	12/10/02	
conformance	and no	st considered. Inc	lude conv of this	er or not citation is in a form with next comm 130 = alveed	unication to a	oplicant.		itation if no

Copies of Forms PTO-1449 and PTO-892 from parent a lications Serial Nos. 08/630,984 and $08/470,\overline{27}1$ Page 3 of 17 ATTY. DOCKET NO. 08/630,9848733.214.00 APPLICANT Willem den BOER et al. **GROUP** 2822 U.S. PATENT DOCUMENTS FILING DATE SUB CLASS **CLASS** IF APPROPRIATE 350 336 428 213 Kawazoe et al. 349 42 34 216 349 42 44 349

			F	DREIGN PATENT DOCUMENTS		
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSL YES	ATION NO
MT	CI	0-616-241 A2	09/1994	EUROPEAN PATENT OFFICE (In English)		
	CJ	0-714-140 A1	05/1996	EUROPEAN PATENT OFFICE (In English)		
	ск	2-311-653	10/1997	UNITED KINGDOM (In English)		•
1	CL	41-40-180 A1	12/1992	DENMARK		10
MT	СМ	4-257826A	09/1992	JAPAN (English Abstract only)		\searrow

349

349

113

138

FILING DATE

April 12, 1996

NAME

Yazawa et al.

Mitsui et al.

Kanbe et al.

Okano et al.

Mizobata et al.

Maruno et al.

Warfield

M.W. Friends, Determination of Dielectric Constant for Fuji Clear, 3/7/1996, pp:1-2, including Table CN Willem den BOER, A Two-Diode Pixel Circuit and Addressing Method for MIM LCDs, OIS Optical Systems, Inc., CO Northville, MI, USA, 4 pages, Proceeding Eurodisplans 96. Tech Notes, Advanced Electronics Resins, Processing Guide for Photo-Imageable BCB, Dow Chemical Co., pp; 1-4, MT CP

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Irinh **EXAMINER**

10/10/02 DATE CONSIDERED

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**English-language abstract provided.

Form PTO 1449

(Modified)

Date:

CA

CB

CC

CD

CE

CF

CG

CH

EXAMINER

INITIAL

U.S.

PATENT AND

LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if

Necessary)

COMMERCE

TRADEMARK OFFICE

January 29, 2001

DATE

02/1984

05/1984

04/1995

05/1995

03/1996

02/1997

03/1998

12/1998

DOCUMENT

NUMBER

4,431,272

4,451,525

5,408,345

5,411,629

5,500,750

5,600,458

5,724,111

5.844.647

DEPARTMENT OF

		•		∓	parent 08/470.2	plications Se	-1449 and PTO-89 rial Nos. 08/630,9 <i>Page 4 of</i>	984 and
Form PTO 144		S. DEPARTMEN	T OF	ATTY. DOCKET NO.	·	, <u>.</u> I		
(Modified)	-	OMMERCE ATENT AND TRA	DEMARK	8733.214.00		- 08/830,984-		
,	OI	FFICE				10/0	52772	•
		CES CITED BY		APPLICANT			少3	
(000			ou.	Willem den BOER e	t al.	· · · · · · · · · · · · · · · · · · ·	·	
	Date: <u>.</u>	January 29, 2001		FILING DATE		GROUP		•
				April 12, 1996		2822	· · · · · · · · · · · · · · · · · · ·	
				U.S. PATENT DOCU	MENTS			· · · <u>-</u>
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DA IF APPROPR	
ma	DA	5,177,588	01/05/1993	li et al.	257	640		
	DB	5,045,905	09/03/1991	Motai et al.	357	207		
	DC	5,281,546	01/25/1994	Possin et al.	437	40		
	DD	5,003,356	03/26/1991	Wakai et al	357	4		
	DE	5,847,720	12/08/1998	Dunand	347	11		
	DF	5,576,630	11/19/1996	Fyrita	324	760—		
/	DD	_5,920,084	07/06/1999	Gu et al.	257	59		
MI	DH	5,780,874	07/14/1998	Kudo	257	77		
			FC	REIGN PATENT DO	CUMENTS			
		DOCUMENT NUMBER	DATE	C	COUNTRY		TRANSLAT YES	TON NO
MT	DI	10-133165	05/1998	JAPAN	1			\searrow
1	DJ							
	DK		· ,					
	DL							
	DM							
	_!	OTHE	R REFERENCE	S (Including Author, T	itle, Date, Per	tinent Pages, Et	c.)	
put	DN	Michael Schier Electrochem. S	Reactive fon Etc	ching of Benzocyclobu . 9, September 1995,	itene Using a	Silicon Nitride D	ielectric Etch Mask, J	
MI	DO	Donald Peretrie	e, et al., <i>Benzocy</i>		ization Resin	for Flat Panel Di	splays, SPIE Vo., 196	55, Liquid
	DP	,				·		
EXAMINER	1	Wilhael	TIM		DATE CONS	SIDERED	12/10/02	
*EXAMINER:	Initial and no	if reference is co	nsidered, whether		inication to ap	plicant.	Draw line through cita	tion if not in

					paren	plications Se	0-1449 and PTO-8 erial Nos. 08/630,	984 and
orm PTO 1449		S. DEPARTMENT OMMERCE	r OF	ATTY. DOCKET NO.	08/470,	2/1 I	Page 5 o	<i>J 17</i>
Modified)	P.A	ATENT AND TRA	DEMARK	8733.214.00		08/630,984		
	OF	FFICE				10/0	252 11 6	<u>. </u>
LIST OF RE	FEREN	ICES CITED BY A	APPLICANT	APPLICANT			13 13	
		I Sheets if Neces		 Willem den BOER e	t al.			
	Date: 5	January 29, 2001	•	FILING DATE		GROUP		
				April 12, 1996		2822		
				U.S. PATENT DOCUI	MENTS	<u> </u>		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DA IF APPROPR	
w7	EA	5,477,359	12/19/1995	Okazaki	359	17-		
1 T	EB	5,287,208	02/15/1094	Shimoto et al.	359	75		
745	EC	5,994,721	11/30/1999	Zhong et al.	257	89		·
	ED							
	EE							
	EF							
	ED							
	EH							
			F	OREIGN PATENT DO	CUMENTS			
		DOCUMENT NUMBER	DATE		COUNTRY		TRANSLA' YES	TION NO
	EI							
	EJ							
	EK							
	EL.							
	EM	1				· · · · · · · · · · · · · · · · · · ·		<u></u>
		ОТН	ER REFERENC	ES (Including Author,	Title, Date, P	ertinent Pages, E	tc.)	
	EN							
	EO							
	EP						10 1 (100	
EXAMINER		Micho	el Tr	: L		NSIDERED	12/10/02	- 12 - 15 - 1
*EXAMINES	R: Initia	al if reference is c not considered. In	iclude copy of th	her or not citation is in	nunication to	with MPEP 609; applicant.	; Draw line through cit	ation if not
**English-la	inguage	abstract provide	d. EA,	B: duplic				

#3

Copies of Forms PTO-1449 and PTO-892 from parent applications Serial Nos. 08/630,984 and 08/470,271 Page 6 of 17

INFO	RM	AT	ON	D	ISC	CLO	OSURE (CITATION	1>190. Applicant den B		08/630		
		IN	A۱	1 /	\PF	L	CATION				Group Art Unit		
	(Us	8 5 6	veral	she	9615	il ne	cessary)		411	2196		2823	<u> </u>
							· ·	U. S. PATI	ENT DOCUMEN	TS			
RAMMER	DO	CU	MENT	NU	MBE	R	DATE		NAME	CLASS	SUBCLASS	FILING IF APPRO	DATE
ut	5	9	20		8 (4	7/1999	Gu, Er.	m.			`. ·	
	F	·		Ť		İ				·			•
	+	<u> </u>	+	\dagger	-	\vdash							•
	╬	-	+	+	+	<u> </u>							
	+-	-	H	+	+	-						 -	
	_	L		\downarrow		<u> </u>	<u> </u>				_		
				1	_!_							·	
		i		T									
	\top	T	\sqcap	1	ŀ								
	\top	Ť		1		Ť			-				
	+	+	\vdash	+	-	╁	 						
		<u>!</u>		_1		_!_		FOREIGN PA	ATENT DOCUME	ENTS		<u> </u>	
	Tox	CU	MENT	NU	MBE	A	DATE		DUNTRY	CLASS	SUBCLASS	Transla	tion
	╬	Т	ГТ	T	\top	Т							
	+	-	H	+	╀	╀					<u> </u>		
	\bot	ŀ	\sqcup	4	4	\downarrow			<u> </u>	_	_		ļ
· .			Ш				·	· .					
	1												
								OTHER DO	CUMENTS (Indus	ding Author, Title	, Date, Pertinent	Pages, Ett	:.)
			٠					·			-		
		T					•						
•		T		_					· ·				
·	+	+	-		_		<u> </u>						
		+								•			
			_		^		Tri	O	DATE CONSIDERED	12/10	102		
RAMINER		-	, ()		()		, V:	. Ł	1	1910	, •		

Copies of Forms PTO-1449 and PTO-892 from pare pplications Serial Nos. 08/630,984 and 08/470,271 Page 8 of 17

IN A	AN Praisi	AP 10001S	PLI if no ER	CATION	U.S	S. PATI	Applicant Filing Date ENT DOC NAME ET RIL , ET RIL	4117(CUMENTS		AL- FOUR AT Unit SUBCLASS	281	H 10,
оси м е	NT N	и мв і 9 7	ER 4	0ATE	den	BUEIL	NT DOC NAME	CUMENTS				
64		۹ ٦	Ч	01,497	den	BUEIL	NAME ET AL		1	SUBCLASS		
64		۹ ٦	Ч	01,497	+		, ET AL		CLASS	SUBCLASS	FIUN IF APPI	G DATE ROPRIATE
MATION DIS IN AN AP (Use several sheets DOCUMENT NUMBE COCCUMENT NUMBE			-		+							
5 78	\$	877		7/1998	den	BOER	, ET AL					
										,	1	
					ļ		 					
			بن		1		' 					
		<u>_:</u>		<u>. </u>			· · · · · · · · · · · · · · · · · · ·					
												 -
						·					·	, -,,
							•					
1		i										
	<u>: :</u>	<u>:</u>	:		FORE	IGN PA	TENT DO	CUMENT	rs			`
DOCUMENT NUMBER				DATE		œ	INTRY		CLASS	SUBCLASS		ition NO
	П		П				·					
	П	T	П			-						
	\sqcap	\dagger	Π			.		<u></u>				
11	\sqcap	1	\Box									
-,					OTHE	R DOC	UMENTS	(Induding A	luthor, Title, Da	ite, Pertinent F	Pages, Ero	: :)
-				·								
-												
-				·						· · · · · · · · · · · · · · · · · · ·		
									· · · · · · · · · · · · · · · · · · ·			
١.,	,		0)			DATE CONS		.1			
	nitial ii	Mi Che	Ni chae	wi chael	COUNENT NUMBER DATE Country Number Date Country Number Date	OCUMENT NUMBER DATE OTHE	OCUMENT NUMBER DATE COL	OCUMENT NUMBER DATE COUNTRY OTHER DOCUMENTS Wichael Trind DATE CONS	OCUMENT NUMBER DATE COUNTRY OTHER DOCUMENTS (Including A	OTHER DOCUMENTS (Including Author, Title, Da	OCUNENT NUMBER DATE COUNTRY CLASS SUBCLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent F	OCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS Transle YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED 12(0)62

Copies of Forms PTO-1449 and PTO-892 from parent a lications Serial Nos. 08/630,984 and 08/470,271 Page 9 of 17

Form PTO	144	9					•			Doctal No	mber (Optional)		Application Number	=		_
INFO	RM	A٦	ΓIC	N	DI	S	CLO	OSURE (CITATION	1 /	2190.	460	nsliz	u, q	10/05	2772
		H	N A	٩N	Α	PF	ılı	CATION		- Aprice II	den BoE	il, ET	or			
	(U.	s <i>e</i>	<i>6</i> V6	ral s	she	9 <i>t</i> s (il ne	cessary)		Filing D	· 4/17	96	Group Art Unit	20	2~	ļ.
			_				_		U.S.PAT	ENT DO	CUMENTS					
EXAMINER INITIAL		ocu		_			1	DATE		NAME		CLASS	SUBCLASS	FAU	NG DATE PROPRIATE	
m	5	8	1	8	5	5	0	10/1998	KADOT	4, E7	n.				· · · · · · · · · · · · · · · · · · ·	
													<u> </u>			
· · · · · · · · · · · · · · · · · · ·					Γ											ı
	\dagger	-	<u> </u>	_	-	_					•					
····	+-	-		_	-					·			 			
····	+	╄	L	<u> </u>	_											
	┼	<u> </u>	L	_	L	_										
	ļ	Ļ	L	_	L											
	\perp	_			L											
										-						
			·													
		•			٠			F	OREIGN PA	TENT D	OCUMENT	<u>.</u>	<u> </u>			
					_							3				
	000	CUM	EN	TN	JME	ĖR		DATE		INTRY		cuss	SUBCLASS	Transl	ation	
	000	CUM	EN	TN	JME	ĖR	1						SUBCLASS	Transl	ation NO	
		CUM	EN	TN	JME	ĖR							SUBCLASS			
	000	CUM	EN	TNU	JME	ĖR							SUBCLASS			;
	000	CUM	IEN	TNU	JME	ER							SUBCLASS			·
	000	CUM	IEN	TNU	BMI.	ER							SUBCLASS			
	DOO	CUM	IEN	TNU	JME	ER		DATE	cou	INTRY		CLASS		YES	NO	
		CUM	EN	TNU	JME	ER		DATE		INTRY		CLASS		YES	NO	
		CUM	EN	TNU	JME	ER		DATE	cou	INTRY		CLASS		YES	NO	
		CUM	IEN I	TNU	JME	ER		DATE	cou	INTRY		CLASS		YES	NO	
			SEN .	TNU	JME	ER		DATE	cou	INTRY		CLASS		YES	NO	
			EN	TNU	JME	ĒR		DATE	cou	INTRY		CLASS		YES	NO	
			IEN I		JMG	ER		DATE	cou	INTRY		CLASS		YES	NO	
			IEN I	TNU	JME	ĒR		DATE	cou	INTRY		CLASS		YES	NO	
EXAMINER (A								DATE	OTHER DOCL	INTRY	S (Induding A	CLASS Uthor, Title, Da		YES	NO	
<u></u>	\ \cdot\				2			DATE	OTHER DOCL	JMENT:	S (Induding A	CLASS Uthor, Title, Da	te, Pertinent P	YES	NO	
EXAMINER	A () (itai	2		onsi	DATE	OTHER DOCL	JMENT:	S (Induding A	CLASS Uthor, Title, Da	te, Pertinent P.	YES	NO	

#3

Copies of Forms PTO-1449 and PTO-892 from parent plications Serial Nos. 08/630,984 and 08/470,271 Page 11 of 17

rm PTO- INFO	RMA	ITI IN	Αì	N.	AP	PL	ICATIO	E CITATION ON	Applicant de	90.460 m BOEN		Application Number OS/G3 Co Group Art Unit	0,98	4
	(Us	9 5 8	vera	i sh	9615	ifn	ecessary)	II S PA	TENT DOCUM	12/96		Group Art Unit	82	<u> </u>
XAMINER INITIAL	00	CUL	ENT	N	nwig	ER	DATE	0.3.74	NAME	IEITIS	CLASS	SUBCLASS	FUN	G DATE
						i							IFAPP	ROPRIATE
		1	Ť	1	Ť	İ	†					+		
		+	÷	+	+	+	├							
		\dashv	_ <u>:</u>	+	┿		-							
		_	_	4			ļ							
				-						ŀ				
				1	1	Ť	<u> </u>				· — —	-		
	+		+	1	+	+	 				- ,			
	+-	\dashv	$\stackrel{ ext{!}}{ o}$	\dashv	\dotplus	÷			·					
	-		<u> </u>	\dashv	\dotplus	+	 							
				-										
								FOREIGN P	ATENT DOC	JMENTS		- 	<u> </u>	
	000	UM	ENT	NU	MBE	R	DATE		CUNTRY		CLASS	SUBCLASS	Transt	ation NO
					T	T								110
			1	1	1	†						 		
		+	\dashv	7	十	\dagger	 					-		
	+	-	-	4	+	╀	 							ļ
		_	4	4	4	1	ļ		 					
							<u></u>							
				_					CUMENTS (
mt	\vdash							High Densit			ocess	Designe	d & D	evelo
· ·								ability" by			199	,		
1.		"I D	Rea iel	ac Le	ti ct	ve ri	Ion c Etc	Etching of E h Mask" by S	Benzocyclob Schier, J.	utene U: Electro	sing .	A Silico Soc., Vo	n Nit 1. 14	ride 2,
m								er 1995						
, ,	-							Multilayer S						
m	H						<u>c" by</u> 1992	Shimoto, et	. al., IMC	1992 P	rocee	dings, Y	okoha	ma,
4445455	لِـا	JI	1116	=	J	, ر <u>.</u>	1332	•		 		····		
CAMINER	M	ic	L	0	. J		•	Trivil	DATE CONSIDER	12/10	1	_	1	
_						_		1 1 1 7	1	1-160	100	-		

43

Copies of Forms PTO-1449 and PTO-892 from parent plications Serial Nos. 08/630,984 and 08/470,271 Page 12 of 17

EXAMINER INITIAL		IN	I A	N /	AP	CL PLI	OSURE (CITATION -		5.T.		105	
EXAMINER INITIAL		IN	I A	N /	AP	PLI	CATION		Applicant den BOER	. ET.	AL.	102	777
INITIAL	(Us	50 S E	7V 0(7)										
INITIAL				l sh	66 5	if ne	cessary)		Filing Date 4/12/90	•	Group Art Unit	28	~~
U. S. PATENT DOCUMENTS													
mT	DC	ocu!	MENT	NI	JMBI	ER	DATE		NAME	CLASS	SUBCLASS	F APP	G DATE
, , ,	5	2	4 (<u>.</u>	78	2	1/1993	KENNEDY,	ET. AL.				MOPRIATE
	5	3	6 4	F	5 4	-7	11/1994	BABB, ST.	BL.			 	
	1	:	-	i.	-		 	KENNEDY,	E7. AL.				
MT	5	6	8 8	2	21	1	10/1997	YAO, ET.	શ.	-		,	
				Ť	+	Ť						 	
	Г	Н		\dagger		Ť				1		 	
				$^{+}$	1	-				 			
				†		Ť					 		
	T			ij	Ť	Ť			-				
	-			\dagger	_	+				 			
	<u> </u>	<u>:</u>		<u> </u>	<u>-</u> :	<u>:</u>		FOREIGN PA	TENT DOCUMENTS	<u> </u>		1	
	00	CUN	IENT	NU	MBE	R	 				SUBCLASS		ation
n T	n	1.	<u></u>	٠,	c /		6/1994	ED				YES	 .
, ,			+	+	, 6	Н							
		\vdash	-	+	+	\dashv	·			<u> </u>			<u> </u>
		\sqcup	_	\downarrow	\downarrow	Ш							
			4	\downarrow	\downarrow	Ш							
							•						
	_			_				OTHER DOC	JMENTS (Including Au	thor, Title, (Date, Pertinent F	ages, Et	c.)
()		<u>"-</u> F	}er	12	<u>oc</u>	УC	lobut	ene as a l	Planarization	Resi	n for	lat	
MTS		Ρĵ	an	ie	I	Di	splay	s" by Pere	ettie, et. al	., SI	IE Vol	160	65
1 7 1		Cr	:ys	١ŧ	al	M	lateri	als, Devi	es, and Appl	icati	ons, 1	992.	
7				_			· -						
		-											
		-											
										•			
EXAMINER						0				1 -			
			11					• • • •	ا م ا	いって			
	1	<u>ر</u>	\mathcal{U}	ھ۔	ريع	_	10	14	(2)(0	310			

PTO/SB/ 08 (11-90)

X

Patent and Trademark Office: U.S.DEPARTMENT OF COMMERCE

* Duplication in 4/17 page

Copies of Forms PTO-1449 and PTO-892 from parent plications Serial Nos. 08/630,984 and 08/470,271 Page 13 of 17

PTO/SB/ 08 (11-90)
Sheet / of /

INFO	RM							OSURE C	ITATION	12190. 4		08/63	10,98	-4
								CATION				Az. 10		
	(U	5 <i>0</i> S 6	<i>9</i> V6	rai s	hee)ts i	í nec	cessary)		Filing Date 4/12		Group Art Unit	28	برك
	·				<u>. </u>			·	U.S.PA	TENT DOCUMENTS	3		, 	
EXAMINER IMTIAL	-	OCU.	-	-		:		DATE		NAME	CLASS	SUBCLASS	FIUN IF APP	G DATE ROPRIAT
m T		•	1	: -	1 :	: :	: 1	3/199		, ET. AL.	•			
mi	5	5	8	5	9	5	1	14,996	NODA,	ET . &L .				
	\top	T	T										 	
	+	 		_				,				1	-	
	+	$\frac{1}{1}$	\vdash	-		_							 	
	+	+	\vdash	<u> </u>	\vdash	-				-			-	
	+	╁	\vdash	⊢	\vdash	-	\vdash				_			
	+	+	\vdash	-	\vdash	-	Н				_	-	 	
		<u>.</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>			OPEIGN (PATENT DOCUMEN	TC		<u> </u>	
	000	DOCUMENT NÚMBER						DATE		COUNTRY	CLASS	SUBCLASS	Transia	
	+					П	\dashv						YES	NO
	+	H	H	H	$ \cdot $	H								-
	+	H	\vdash	-	H	H	\vdash				_	-		-
	+	H	L	\vdash	\sqcup	H	H							-
	+	-	\vdash	\vdash		\sqcup	\vdash							
<u>. </u>	Т								STHER DO	OCUMENTS (Including	Author, Title,	Date, Pertinent	Pages, Etc	:.)
		-				_			<u> </u>					
	+	┢			-		_				· · · · · · · · · · · · · · · · · · ·	-	-	
	╀	┝								<u> </u>		 		
	<u> </u>	ļ.												
													_	
CAMINER	٨	4	•	, Q	_		Q	Tri	\mathcal{L}	DATE CONSIDERED	12/10	los		
				~~				_ ' '	_		, ,	' 1/ _		

Copies of Forms PTO-1449 and PTO-892 from parent plications Serial Nos. 08/630,984 and 08/470,271 Page 14 of 17

orm PTO-				12190.460			0,984 10/0
INFO	RMATION DISCLE IN AN APPLI		CITATION	Applicant WILLEM	den Boi	SR, ET. A	z
	(Use several sheets if ne			Filing Date 4/12/96		iroup Art Unit	282
			U. S. PATE	ENT DOCUMENTS			
EXAMINER INTIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE
mt	4994434	7/91	HUNG, ET.	m.			
	5 3 0 2 9 8 7	4/94	KANEMORI	, ET. AL.			
·	5 3 8 9 4 9 2	7/95	KOKUBO,	67. AL.			
	5 3 9 6 2 6 2	3/95	HAST INGS ,	瓜.			
	5414278	5745	KO BAYASH	1 , ET . AZ .			
	5 445848	8/95	BUDZILEK	LIET. AL.			
	5 463230	10/45	NEGOTO ,	ET. AL.			
	5 463484	10/95	BRODY				
	5 5 2 8 2 0 9	6/96	MACDONALI), ET. AL.			·
mr	5422293	6/95	KONYA				
			FOREIGN PA	TENT DOCUMENTS	1	1	
	DOCUMENT NUMBER	DATE	<u> </u>	JNTRY	CLASS	SUBCLASS	Translation YES NO
		·					
	i	<u></u> ,	OTHER DOC	UMENTS (Including Au	uthor, Title, D	ate, Pertinent	Pages, Etc.)
		<u>-</u>					
				·			
			<u> </u>			· ,- ,	
							
						·.	
				,	·		···
				I			
EXAMINER	purhael	T.	rind	DATE CONSIDERED	12/10/	02	



Copies of Forms PTO-1449 and PTO-892 from parent oplications Serial Nos. 08/630,984 and 08/470,271 Page 15 of 17

Section.	2. F	orr	n F	7) -	14	49	۸)	Nodified)	l				1 01	2
FORM P	ró-14	⊹ 9									ATTY. DOCKET HO. 12190. 460	1	AL NO.		
(Modified)		501							ENARK OF	FICE	APPLICANT	•	t		
						APP	_				den BOER,	ET AL	_		
	(Use	se	vera	d sh	cet	s H n	ece	\$22	n)		FILING DATE	GRO	UP 7	2.2	
(37 CFR 1	.98(b))													<u> </u>	
· ·								1	U.S. PAT	ENT	DOCUMENTS			•	•
EXAMINER INITIAL			PAT	ENT	ſΜ	JMB	ER		ISSUE Date		PATENTEE	CLASS	SUBCLASS	FLING FAPPR	_
M.T.			9	_	_			2	12/90		HRNOSKI, JR, ET AL		<u> </u>		
<u> </u>		5	$\overline{}$		_	8		9	10/91		CAI, ET AL		<u> </u>		
		5	_	8		6	-	$\overline{}$	1/43	_	IMADA, ET AL				
		5	4				<u> </u>	7	5/95		TSUO, ET AL				
	_	_	4		9	9	_	ᆜ	5/95		AWA				
$-\!$		-	2		7	\rightarrow		8	794		MOTO, ET AL				
		5	4	2	6	5		3	6/45		MADA, ET AL.			·	
		5	4	4	6	5	6	2	8/95	SA				<u> </u>	
-1/-1						8			9/95		CAHARA				
			4	-	_	5	_	3	10/95	mo					
^ \		5	41	5	9]	5	9]	6	10/45	UE	A, ET AL		<u>l</u>	l	
						NUM			PUBLICATION DATE	1					LATION
	i		\neg	П		П	T	7			·				
		┪	\dashv	\dashv	\dashv	ᅱ	+	-			•				
		-	-	-	-	-	+	4				 	 		
						_	\perp								
1		-			- 1		-					ĺ			
	寸	1	\exists	7	ᅥ	\dashv	\dashv	7					1		
	i	1		i	_1			_1				<u> </u>	<u> </u>	L	
THER (ocu	ME	NT	S	(In	clud	din	g /	Author, T	Itle,	Date**, Relevant Pag	jes, Plac	e of Pub	licatio	on***)
2			"A	. (6.	4 -	14	-	D/460	NAL	COLOR TET-LC	D mo	DULE S	UITA	BLE F
	}		PE	Rsi	N	سا	JI	U F	DRMAT (٥٨	TOOLS " BY TAKE	DA, ET	AL, S	1D 9	4 3161
(,	i	\dashv									H - APERTURE TF				
~9'											DIGEST		.,		
MI	į		* A	-	Hil	:H-	Α	PE	RTURE .	-RAT	10 TFT - LCD WITH	4 A SI	HEAD -	ELEC	TRODE
			STI	RV	CTI	RE	"	B	Y UE	DA ,	ET AL, SID	93 I	14657		
XAMINER	mì.								1		DATE CONSDERED		•		
-VARAINI	CO. 1		:-!								<u> </u>				
YIIMHA.	cn: II	111	ıuı	CII	18	เดก	CC	ากต	sidered.	. Drá	wiline through cita	ation if	not in co	onfor	· -

(Information Disclosure Statement-Section 2, FORM PTO - 1449 (Modified) 16-11-page of 2



Copies of Forms PTO-1449 and PTO-892 from parent Plications Serial Nos. 08/630,984 and 08/470,271 Page 16 of 17

	2.			- 1	<u> </u>		44:	, (r	vioailiea)					7	. OF 2			
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT										ATTY, DOOXET NO. SERIAL NO.								
											10,43 5 (1							
											APPLICANT							
									-	den BOER, ET AL								
/07 OFO .	•	se sa	even	ad Si	heet	s ti	neo	ess	≖ (X)		FILING DATE		GRO	ر ٦	22~			
(37 CFR	1.98(6)))			<u> </u>					<u> </u>		<u> </u>		0				
									U.S. PAT	ENT	DOCUMENTS .							
EXAMINER INITIAL		PATENT NUMBER					DATE		PATENTEE C		ASS	SUBCLASS	PLING DATE FAPPROPRIATE					
m		5	4	8	3	3	6	6	1/96	AT	HERTON				•			
· .		L	L	_	_	_	L					_ _						
				L		L		L										
		_																
		<u> </u>		_	_			_				_ _						
				_														
	<u> </u>	_		<u> </u>	_	_	_	_			<u>.</u>	- -						
		_		_	_	-		Ľ			·							
-		-		-		_	_											
		-	\vdash	_	H	_	-											
	L	ш	ш			Ш		Ш										
	F	OR	EIC	ΞN	PA	TE	NT	OI	R PUBLIS	SHEC	FOREIGN PATEN	IT APE	PLIC	ИОПТА				
									225470	PUBLICATION COUNTRY OR				Thurs and				
		D	DOCUMENT NUMBER					R	DATE		PATENT OFFICE	a	LASS SU	SUBCLASS	TRANSLATION YES 1 NO			
		\vdash				Ė		\neg		· ·	· · · · · · · · · · · · · · · · · · ·							
		Н	\dashv				H	-				+						
			_									_ _						
									1									
OTHER	DOC	IME	-M	rs	L.	clu	dir	ומ ו	Author T	Itle 1	Date™, Relevant Pa	3085	Plac	of Publi	leation***			
							_	·9 •		1110, 1		ages,						
j	,																	
-						٠.												
																		
			<u>. </u>										_					
							-						···					
. [\vdash												· · · · · · · · · · · · · · · · · · ·				
XAMINE		l									DATE COMPAGN							
-vamine!	` 1	١.	. 1	۰.	ℓ			r	YW		PATE CONSDERED		1					
		٠ <u>(</u>				_		`	-		; , ,	(0)						
NIMAXE	ER:	nit	ial	ci	lati	ior	C	ดก	sidered.	Dra	wiline through c	itatio	n if r	not in co	nfor-			
nance a	ınd n	ot (CO	กร	lde	ere	d.	Inc	lude co	ру о	f this form with r	next c	omi	nunicati	on to			
pplican	ıl.																	

(Information Disclosure Statement - Section 2, FORM PTO - 1449 (Modified) 16-11-page - of - 3

Copies of Forms PTO-1449 and PTO-892 from ications Serial Nos. 08/630,984 and 08/470,271 Page 17 of 17

Section 2. Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF CONMERCE PATENT AND TRADEMARK OFFICE (Modified)

> INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

200						
ATTY. DOCKET HO. 12190.460	SERIAL HO. 08/630, 584					
applicant den Boee, 5T.	AL. 10/052772					
FILING DATE 4/12/96	GROUP 282~					

U.S. PATENT DOCUMENTS

							_						
EXAMINER INITIAL		PA'	TEN	TN	JKB	ER		DATE			SUBCIASS	PLING DATE FAPPROPRATE	
	1					_	_				-		
•						1	$\frac{1}{2}$				2		
	+	-			\vdash		+				 	199	
	1	1					1			·	G	199	
	-	+					1					795 1775 254	
		1					\exists						
	+	+				H			~				

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

						م	висатон	COUNTRY OF		CLASS	SUBCLASS	TRANSLATION	
	DOC	UMI	ENT.	NUI	ABEF	٦	DATE	PATENT OFFICE				YES	ю
İ	T	Τ						. •					
					П	\top							
	1												
Ì	1	Ī				T							
T	\top	T			П								

OTHER DOCUMENTS (Including Author, Title, Date", Relevant Pages, Place of Publication")

	"OPTIMISATION OF VERY SMALL PITCH ACTIVE MATRIX LCD FOR
mi my	PROJECTION" BY VIGNOLLE, ET. M., IBEE, 1991, PP 223-226
1 mg	"A HIGH-APERTURE-RATIO 3-IN DIAGOUAL YGA A-SI LIGHT VALVE WITH
	PIXEL/DATA AND PIXEL/GATE LIVES OVERLAPPING BY SAKAMOTO, ET. AL.
MI	"HIGH APERTURE AND FAULT_TOLERANT PIXEL STRUCTURE FOR TET-LCDS"
	BY KIM, ST. M. , SID 1995 DIGEST , PP 15-18
EXAMINER	Michael Trinh CHISTERED 12/10/0-

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Information Disclosure Statement - Section 2, FORM PTO - 1449 (Modified) 16-11 _ nacc _ of _ 1